

CHERKINSKIY, Samuil Naumovich, prof; LAVROV, A.A., red.; RACHEVSKAYA,
M.I., red.izd-va; LELYUKHIN, A.A., tekhn. red.

[Sanitary specifications for the discharge of sewage into bodies
of water] Sanitarnye uslovia spuska stochnykh vod v vodoemy. 3.,
perer. i dop. izd. Moskva, Izd-vo M-va kommun. khoz. RSFSR,
1962. 236 p. (MIRA 16:2)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Cherkinskiy).
(Sewage disposal) (Water--Pollution)

CHERKINSKIY, Samuil Naumovich, prof.; MEL'NIKOV, Ye.B., red.;
ZAGOREL'SKIY, Ya.I., tekhn. red.

[Methods of determining sanitary conditions of discharging
sewage into bodies of water] Metodika opredeleniya sanitarnykh
usloviy spuska v vodoemy stochnykh vod; uchebnoe posobie k
prakticheskim zaniatiyam. Moskva, 1962. 50 p. (MIRA 16:4)

1. Moscow, Pervyy meditsinskii Institut. 2. Zaveduyushchiy
kafedroy kommunal'noy gigieny i Chlen-korrespondent Akademii
meditsinskikh nauk SSSR (for Cherkinskiy).
(Sewage disposal)

KANDROR, I.S.; BOKINA, A.I.; MALEVSKAYA, I.A.; PETROV, Yu.L.;
CHERKINSKIY, S.N., red.; SELESKERIDI, I.G., red.;
GONCHAROVA, L.A., tekhn. red.

[Hygienic norms for salt content in drinking water] Gi-
gienicheskoe normirovanie solevogo sostava pit'evoi vody.
[By] I.S.Kandrор i dr. Moskva, Medgiz, 1963. 157 p.
(MIRA 17:3)

1. Chlen-korrespondent AMN SSSR (for Cherkinskiy).

CHERKINSKIY, S.N., prof.; TUGARINOVA, V.N., kard.med.nauk

Method of conditional reflexes as a test in sanitary-toxicological investigations. San.okhr.vod.ot zagr.prom.stech.vod no.5:399-409 '62. (MIRA 17:6)

1. Kafedra kommunal'noy gigiyeny I Moskovskogo ordena Lenina Meditsinskogo instituta imeni I.M.Sechenova. 2. Chlen-korrespondent AMN SSSR (for Cherkinskiy, S.N.).

CHERKINSKIY, S.N., prof.

Principles of setting up standards for the protection of bodies
of water from pollution in foreign countries. San.okhr.vod.ot zagr.
prom.stoch.vod no.5:410-436 '62. (MIRA 17:6)

1. Chlen-korrespondent AMN SSSR.

GOROMOSO", M.S., red.; GROMBAKH, S.M., red.; ZHDANOV, V.M., red.;
POKROVSKIY, A.A., red.; KROTKOV, F.G., red.; LETAVET, A.A.,
red.; LITVINOV, N.N., red.; RYAZANOV, V.A., red.; URAZAYEV,
N.M., red.; CHERKINSKIY, S.N., red.; KHAMIDULLIN, R.S., red.

[Transactions of the 14th All-Union Congress of Hygienists
and Public Health Physicians] Trudy Vsesoiuznogo z"ezda
gigienistov i sanitarnykh vrachei, 14. Moskva, Medgiz,
1963. 322 p. (MIRA 18:2)

1. Vsesoyuznyy s"yezd gigiyenistov i sanitarnykh vrachey.
14th. 2. Glavnyy uchenyy sekretar' AMN SSSR (for Zhdanov).

IZRAEL'SON, Z.I., prof.; CHERKINSKIY, S.N., prof.

Cooperation of hygiene-concerned social groups with public health institutions to improve the training of hygienists and public health physicians. Gig. i san. 28 no.683-8 Jan'63
(MIRA 1791)

1. Chlen-korrespondent AMN SSSR (for Izrael'son).

CHERKINSKIY, S.N., prof.

Some results and further problems of investigations in the establishment of hygienic norms in the field of sanitation protection of reservoirs and rivers. San. okhr. vod. ot zagr. prom. stoch. vod. no.6:7-29 '64. (MIRA 18:3)

1. Chlen-korrespondent AMN SSSR.

CHERKINSKIY, S.N., prof.; KRASOVSKIY, G.N., starshiy nauchnyy sotrudnik;
TUGARINOVA, V.N., starshiy nauchnyy sotrudnik

Methodological problems in sanitary-toxicological investigations
on the establishment of hygienic norms for impurities in the
water of reservoirs and rivers. San. okhr. vod. ot zagr. prom.
stoch. vod. no.6:290-300 '64. (MIRA 18:3)

1. Kafedra kommunal'noy gigiyeny i toksikologicheskoye otdeleniye
TSentral'noy nauchno-issledovatel'skoy laboratorii I Moskovskogo
ordena Lenina meditsinskogo instituta im. I.M.Sechenova. 2. Chlen-
korrespondent AMN SSSR (for Cherkinskiy).

CHERKINSKIY, S.N.; MIKLASHEVSKIY, V.Ye.; MURZAKAYEV, F.G.

Capacity to form new time relations as a test in a chronic sanitary-toxicological experiment. San. okor. vod. ot zagr. prom stoeh. vod. no.6:323-340 '64. (MIRA 18:3)

1. Kafedra kommunal'noy gigiyeny I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

CHERKINSKIY, Samuil Naumovich, prof.; LAVROV, A.A., red.

[Hygienic problems of water supply of rural populated places] Gigienicheskie voprosy vodosnabzheniya sel'skikh naselennykh mest. 2. izd., dop. i ispr. Moskva, Meditsina, 1965. 314 p.
(MIRA 18:5)

1. Chlen-korrespondent AMN SSSR (for Cherkinskiy).

L 9557-66

ACC NR: AP5026362

strengths of steel subjected to HTMT, LTMT, and HLTMT increased to 117 and 106 kg/mm², 132 and 114 kg/mm², and 133 and 118 kg/mm², respectively (compared to 108 and 92 kg/mm² for conventionally treated steel). Corresponding figures for rupture life at 500C under a stress of 58 kg/mm² were 270, 206, and 222hr (compared to 149 hr for conventionally treated steel). The strengthening effect of HTMT was not annihilated by aging for 100 hr at temperatures up to 550C; that of LTMT was annihilated for the most part by aging at 500C (see Fig. 1). When applied under optimum conditions to ac-

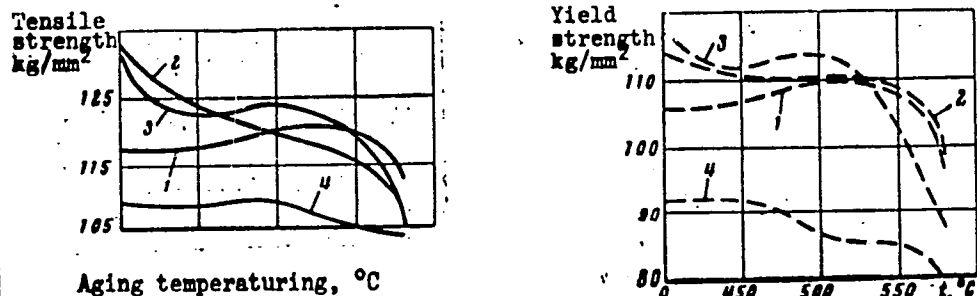


Fig. 1. Effect of 100-hr aging at various temperatures on the tensile and yield strengths of EI961 steel subjected to HTMT (1), LTMT (2), HLTMT (3), and conventional treatment (4)

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L 9557-66	EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c)	N.IW/JD/HW
ACC NR: AP5026362	SOURCE CODE: UR/0370/65/000/005/0143/0143	
AUTHOR: ^{44.55} Braslavskiy, D. I. (Moscow); ^{44.55} Kishkin, S. T. (Moscow); ^{44.55} Polyak, E. V. (Moscow); ^{44.55} Roshchina, I. N. (Moscow); ^{44.55} Solov'yeva, G. G. (Moscow); ^{44.55} Cherkis, Yu. Yu. (Moscow)		
ORG: none	71 B	
TITLE: <u>Thermomechanical treatment of heat-resistant martensitic steel</u> 4		
SOURCE: AN SSSR. Izvestiya. Metally, no. 5, 1965, 143-148		
TOPIC TAGS: <u>steel, heat resistant steel, martensitic steel, mechanical heat treatment,</u> <u>plastic deformation, yield stress, tensile stress</u> /EI961 steel		
ABSTRACT: Heat-resistant EI961 steel (0.14% carbon, 10.8% chromium, 1.75% nickel, 1.65% tungsten, and 0.26% vanadium) has been tested for the effect of thermomechanical treatment (TMT). Three variants of TMT were used: 1) high-temperature thermomechanical treatment (HTMT) — plastic deformation at 900—1050C followed by cooling; 2) low-temperature thermomechanical treatment (LTMT) — austenitizing at 100C, cooling to 600C, plastic deformation, and cooling; and 3) combined high- and low-temperature treatment (HLTMT) — plastic deformation at 1050C, cooling, tempering at 580C for 3 hr, plastic deformation at 600C, and cooling. Preliminary experiments showed that optimum reductions for HTMT or LTMT are 20—30% and for HLTMT, 50% at 1050C and 7—10% at 600C. All three variants of TMT considerably improved strength and heat resistance without a significant decrease in ductility. The room-temperature tensile and yield		
Card 1/3	UDC: 669.14-157.9	

CHERKINSKIY, S.N.

[Current state and further development of studies on
water hygiene and the sanitary protection of bodies of
water] Sovremennoe sostoianie i dal'neishee razvitie is-
sledovaniy po gigiene vody i sanitarnoi okhrane vodoemov.
Moskva, Meditsina, 1964. 31 p. (MIRA 18:7)

NESTEROV, A.I., otv. red.; RUDNEV, G.P., red.; SEVERIN, S.Ye.,
red.; CHERKINSKIY, S.N., red.; SERGIYEV, P.G., red.

[Annotations of the scientific work of the Academy of Medical
Sciences of the U.S.S.R. for 1955] Annotatsii nauchnykh rabot
AMN SSSR za 1955 god. Red. A.I.Nesterov i dr. Moskva, Medgiz.
Book 1. 1956. 559 p. (MIRA 17:4)

1. Akademiya meditsinskikh nauk SSSR, Moscow. 2. Vitse-prezident i
deystvitel'nyy chlen AMN SSSR (for Nesterov).

CHERKINSKIY, YU. S.

5

is obtained from the
manuf. of Phori and also from the
product contains 2,4-dimethylbenzylphenol, 2-methyl
styrene dimethyl

CHERKINSKY, Yu. S.

KHLUDTSEV, A.Ye., inzhener; ~~CHERKINSKY, Yu. S., inzhener.~~

Slag cork made from NSM tar. Nov.tekh.i pered.op.v stroi. vol.19
no.8:26-28 Ag '57. (MIRA 10:10)
(Synthetic resins) (Insulating materials)

CHERKINSKIY, Yu., inzh.; KALASHNIKOVA, V., inzh.; NIKOLAYEVA, M., inzh.

Wood chip blocks based on synthetic resins obtained from chemical
industry wastes. Stroi. mat. 4 no.4:33-34 Ap '58. (MIRA 11:5)
(Wood, Compressed)

MAKOTINSKIY, M.P., kand.arkh.; MUNT, V.O., kand.arkh.; CHERKINSKIY,
Yu.S.; KAMENSKIY, I.V., kand.tekhn.nauk, nauchnyy red.;
GURVICH, E.A., red.izd-va; GOLOVKINA, A.A., khudozh. i
tekhn.red.

[Use of polymers in the construction industry] Polimernye
materialy v stroitel'stve. Moskva, Gos.izd-vo lit-ry po
stroit., arkhitekt. i stroit.materialam, 1959. 67 p. (MIRA 12:1)
(Polymers)

CHERKINSKIY, Yu.S., inzh.

Gold clay bitumastics of improved quality. Stroil. mat. 5 no.1:34-35
Ja '59. (MIRA 12:1)
(Adhesives--Testing) (Bitumen)

MALYSHEV, Georgiy Andreyevich; YEZERSKIY, Anatoliy Natanovich; CHERKINSKIY,
Yu.S., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Using plastics in repairing motor vehicle bodies] Primenenie plast-
mass pri remonte kuzovov avtomobilei. Moskva, Nauchno-tekhn. izd-vo
M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1960. 110 p.
(MIRA 14;10)

(Motor vehicles--Maintenance and repair) (Plastics)

PHASE I BOOK EXPLOITATION

SOV/5128

Cherkinskiy, Yuliy Samuilovich

Polimertsementnyy beton (Polymer-Cement Concrete) Moscow,
Gosstroyizdat, 1960. 146 p. Errata slip inserted. 6,500
copies printed (Series: Novyye stroitel'nyye materialy)

Sponsoring Agencies: Akademiya stroitel'stva i arkhitektury .
SSSR, and Vsesoyuznyy nauchno-issledovatel'skiy institut
novykh stroitel'nykh materialov.

Scientific Ed.: I. V. Kamenskiy, Candidate of Chemical Sciences;
Ed. of Publishing House: E. A. Gurvich; Tech. Ed.: Ye. L.
Temkina.

PURPOSE: This book is intended for engineers, architects, and
personnel of building-material industries.

COVERAGE: The author discusses a new building material, polymer-
cement concrete, which is a mixture of cement and latex, or

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Polymer-Cement Concrete

cement and a polymer emulsion. Properties of the new material and its production methods are discussed. The polymer and mineral binder which are used are examined from the standpoint of their effect on properties of the polymer-cement concrete. Considerable attention is given to problems of the stabilization of mixtures. Soviet and other experience gained in the constructional application of polymer-cement concrete is described. According to the Foreword, this booklet is the first attempt to summarize the principal Soviet and non-Soviet contributions to the field as well as the results of scientific research and experiments carried out in the polymer-concrete laboratory of the Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov Akademii stroitel'stva i arkhitektury SSSR (All-Union Scientific Research Institute of New Building Materials of the Academy of Construction and Architecture USSR), under the supervision of the author, with V. M. Kalashnikova, Senior Scientific Worker, and V. L. Smelyanskiy, Engineer. The research was conducted under the scientific guidance of B. G. Skramtayev, Professor, Member of the Academy of Construction

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Polymer-Cement Concrete

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and Architecture USSR. There are 175 references: 62 Soviet (including 6 translations), 78 English, 22 German, 9 French, 1 Danish, 1 Italian, 1 Swedish, and 1 unidentified.

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Ch. I. Some Problems of Structure Formation of Polymer Concretes	
Ch. II. Properties of Polymer Concretes	
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3. Absorption of water, water permeability, and the softening coefficient	34
4. Resistance to aggressive influences	38

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CHERKINSKIY, Yu.S. inzh.; KALASHNIKOVA, V.M., inzh.

Polymer-cement concretes, their properties and use. Stroim. 6
no.5:8-9 My '60. (MIRA 13:7)
(Concrete)

87656

15.3200 1273 and 2209 only

S/191/60/000/009/001/010
B013/B055

AUTHORS: Cherkinskiy, Yu. S., Kalashnikova, V. M., Smelyanskiy, V. L.

TITLE: Polymer-cement Materials

PERIODICAL: Plasticheskiye massy, 1960, No. 9, pp. 4 - 7

TEXT: Using polyvinyl-acetate cement concrete as an example, the authors deal with the basic requirements polymer latices and emulsions have to meet for the preparation of polymer cement. The polyvinyl-acetate emulsion prepared in the presence of polyvinyl alcohol is very stable and does not coagulate on mixing with cement. Latex mixtures may be stabilized temporarily by the addition of electrolytes. It was found that the stabilizers and emulsifiers used in polymerization affect not only the mixing of latex with cement, but also considerably the setting of cement. The ratio of polymer and cement was found to be the determining factor for the physicomachanical properties of the polyvinyl-acetate cement concrete. At a ratio of polymer:cement=0.2, the impact resistance of concrete is five times that of ordinary concrete. The following principles must be observed in the choice of latices or emulsions: a) The existence of adhesiveness and

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Polymer-cement Materials

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cohesiveness during the mixing of cement. b) Polymer emulsions must contain stabilizers to prevent their coagulating on mixing with cement. c) Emulsifiers and stabilizers must not have a detrimental effect on the setting of cement. It would be desirable if emulsions contained substances to improve setting. d) Tests using dibutyl phthalate showed that polymers of maximum hardness and strength must be applied for the preparation of polymer-cement concretes with high compressive, flexural, and tensile strength. e) The use of polymers resistant to water and aggressive mediums enables improvement of polymer-cement concrete properties. The preparation of mixtures of polymer emulsions and cements is extremely simple and in no way different from the usual preparation of ordinary concrete. This will permit the rapid introduction of polymer cements in construction engineering. There are 8 figures and 14 references: 8 Soviet, 3 German, 2 US, and 1 British.

Card 2/2

KHLUDTSEV, A.Ye., inzh.; CHERKINSKIY, Yu.S., inzh.

New synthetic resins based on waste materials from the chemical industry and their use in the manufacture of building materials.

Sbor. trud. VNIINSM no.2:46-51 '60.

(MIRA 15:1)

(Resins, Synthetic)

(Building materials industry)

CHERKINSKIY, Yu., inzh.; SMELYANSKIY, V., inzh.

Polymer-cement building mortars. Na stroi.Ros. no.4:34-35 Ap '61.
(MIRA 14:6)

(Adhesives) (Polymers)

CHERKINSKIY, Yu., inzh.

Tensile testing machine for concrete. Na stroi.Ros. 3 no.4:
36 Ap '62. (MIRA 15:9)

(Concrete—Testing)

CHERKINSKIY, Yu.S.; KALASHNIKOVA, V.M.

Some rheological properties of a polymer-cement suspension.
Sbor. trud. VNIINSM no.4:41-44 '61. (MIRA 15:2)
(Polymers)
(Cement)

15.3200 also 2209

28281
S/069/61/023/005/008/008
B124/B101

AUTHORS: Cherkinskiy, Yu. S., Kalashnikova, V. M.

TITLE: Kinetics of structure formation in polymer cements

PERIODICAL: Kolloidnyy zhurnal, v. 23, no. 5, 1961, 632 - 637

TEXT: The effect of emulsifiers and stabilizers on the hardening of cement is studied in this paper. The technique developed by the kafedra kolloidnoy khimii Moskovskogo universiteta (Department of Colloid Chemistry) of Moscow University (Ref.10: P. A. Rebinder, N. A. Semenenko, Dokl. AN SSSR 64, 385, 1949) was used to study the hardening process, i.e., the kinetics of structure formation in the cement suspension with added stabilized aqueous polymer dispersions and additional stabilizers (colloids, surfactants, and electrolytes). The aqueous polymer and stabilizer dispersions are divided into four groups with respect to their effect on structuration, i.e., 1) electrolytes used as latex stabilizers (K_2CO_3 , Na_2CO_3 , $K_2CO_3 + Na_2CO_3$, NaH_2PO_4 , and K_2SiO_3); 2) surfactants and colloids (polyvinyl alcohol (PVA), Nekal (NK), Nekal and K_2CO_3 , ammonium caseinate (AC), sodium alginate (SA),
Card 1/5

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S/069/61/023/005/008/008

B124/B101

Kinetics of structure...

NK (emulsifier) and AC (stabilizer)); 3) aqueous polymer dispersions ((a) polyvinyl acetate emulsion (PVAc-L) containing 7% PVA; (b) polyvinyl acetate emulsion (PVAc-N) with 3% Nekal; (c) divinyl styrene latex (CKC-65ГП (SKS-65 GP)) with 3% Nekal; 4) aqueous polymer dispersion (PVAc-L emulsion) with CaCl_2 as a hardening accelerator of the cement. The

aqueous dispersions were added to the cement suspension at a ratio of the weight of the dry polymer (P) to that of the cement (C) of 0.2. A water-cement ratio of $W/C = 0.3$ was used in all experiments. CaCl_2 was taken in a

concentration of 3% related to the cement. Portland cement with the composition $C_3S = 34\%$, $C_2S = 34\%$, $C_3A = 11\%$, $C_4AF = 12\%$ was investigated; the

specific surface determined with the Tovarov device was $3650 \text{ cm}^2/\text{g}$. While an induction period (slow rise of the resistance to plastic deformation) and coagulated-structure formation during the first 3.5 hours, followed by a hardening period with intensified crystalline-structure formation occurs in pure cement suspensions, a considerable change in the structuration kinetics is established in the presence of electrolytes with hardening being influenced

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Kinetics of structure...

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B124/B101

rather by the anions than by the cations of the electrolyte. The efficiency of the anions decreases in the sequence: $\text{CO}_3^{2-} > \text{SiO}_2^{3-} > \text{H}_2\text{PO}_4^-$. The effect of a two-component stabilizer system introduced into the cement suspension is equal to that obtained from the combined effects of the components (Fig.2). Fig.3 shows the effect of aqueous polymer dispersion on the resistance of the polymer cement suspension to plastic deformation. AC is an unsuitable stabilizer for rapidly hardening mixtures which yields, however, high-stability products, while electrolyte-stabilized cements are stable only for a limited time. Potassium or sodium caseinates accelerate the hardening of polymer cement mixtures. When a PVA-stabilized emulsion is used, very rapidly hardening systems are obtained. The hardening rate can be further increased by adding 1% CaCl_2 . O. I. Luk'yanova and S. A. Daryusina (Ref.7: Kolloidn. zh. 20, 628, 1958²) are mentioned. There are 5 figures, and 11 references: 9 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: K. E. Clare, P. T. Sherwood, J. appl. Chem. 4, 625, 1954; W. G. Wren, Trans. Inst. Rubber Ind., 13, 189, 1937.

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Kinetics of structure...

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S/069/61/023/005/008/008
B124/B101

ASSOCIATION: Nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov, Moskva (Scientific Research Institute of New Building Materials, Moscow)

SUBMITTED: May 3, 1960

Fig.2. Dependence of the resistance of the cement suspensions to plastic deformation on the introduced surface-active agents and colloids: (1) cement suspension; introduced substances; (2) 0.6% NK; (3) 0.6% NK + 1% K_2CO_3 ; (4) 1% NK; (5) 0.6% NK + 1% AC; 6 - 1% SA. Legend: (A) resistance to plastic deformation, kg/cm^2 ; (B) hours.

Fig.3. Dependence of the resistance of the polymer cement suspension (W/C = 0.3; P/C = 0.2) to plastic deformation on the stabilizer in the latex SKS 65 GP containing previously 0.6% NK: (1) cement suspension; (2) polymer cement suspension + 1% K_2CO_3 ; (3) the same + 1% Na_2CO_3 ; (4) the same + 0.4% Na_2CO_3 and 0.4% K_2CO_3 ; (5) the same + 0.4% Na_2CO_3 and 0.6% K_2CO_3 ,

Card 4/5

~~C~~ERKINSKY, Yu.S.; FERMOR, N.A.; SELIVANOVSKIY, S.A.

SKS-65 GP latex is an effective admixture to concrete. Bet.
i zhel.-bet. 8 no.7:314-317 J1 '62. (MIRA 15:7)
(Latex)
(Concrete--Testing)

CHERKINSKIY, Yu. S., inzh.; KALASHNIKOVA, V. M., inzh.;
SMELYANSKIY, V. L., inzh.

Restoration of concrete coatings by polymer-cement concretes.
Sbor. trud. VNIINSM no.5:48-64 '61. (MIRA 15:10)

(Roads, Concrete—Maintenance and repair)

KOSHKIN, V.G., kand. tekhn. nauk; MAKOTINSKIY, M.P., kand. arkh.;
MUNTS, V.O., kand. arkh.; RUDINA, M.A., arkh.; SILUANOVA,
G.V., arkh.; SHORYGINA, N.V., kand. khim. nauk. Prinimali
uchastiye: BOGUSLAVSKIY, A.I., inzh.; ZARUBITSKIY, A.Ye.,
inzh.; LIVSHITS, A.M., inzh.; MASHINA, N.N., inzh.;
OTLIVANCHIK, A.N., kand. tekhn. nauk; ROMANOVA, L.A., inzh.;
CHERKINSKIY, Yu.S., inzh.; ANDREYEV, V.S., retsenzent;
IOFAN, B.M., retsenzent; KRIPPA, A.I., arkh., retsenzent;
GURVICH, E.A., red.izd-va; BRUSINA, L.N., tekhn. red.

[Catalog of finishing materials and articles] Katalog ot-
delochnykh materialov i izdelii. Pod red. M.P.Makotinskogo.
Moskva, Gosstroizdat. Pt.1. [Plastics; polymer finishing
materials and articles] Plastmassy; polimernye otdelochnye
materialy i izdeliia. 1962. 119 p. (MIRA 16:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
novykh stroitel'nykh materialov. 2. Chlen-korrespondent
Akademii stroitel'stva i arkhitektury SSSR (for Andreyev,
Iofan, Krippa).

(Finishes and finishing--Catalogs) (Plastics)

MALYSHEV, G.A.; YEZERSKIY, A.N.; ZVIRBLYANSKIY, Ya.I., inzh.,
retsenzent; ~~CHERKINSKIY, Yu.S.~~, kand. tekhn. nauk, red.;
VASIL'YEVA, I.A., red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Fundamentals of the design and manufacture of plastic parts
in the automobile industry] Osnovy proektirovaniia i proiz-
vodstva detaiei iz plastmass v avtomobilestroenii. Moskva,
Mashiz, 1963. 231 p. (MIRA 16:9)
(Automobile industry) (Plastics)

POPOV, Aleksandr Nikolayevich, prof.; STOROZHENKO, Vyacheslav Petrovich, inzh.; SHMIDT, Leonid Moiseyevich, kand. tekhn. nauk; CHERKINSKIY, Yuriy Samoylovich, kand. tekhn. nauk; KOZHOKHIN, A.A., otv. za vypusk; NOVOCHADOVA, L.A., red.

[New building materials; facts and figures] Novye stroitel'nye materialy; tsifry i fakty. Moskva, Izd-vo "Znanie," 1963. 44 p. (MIRA 16:11)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhi-tektury SSSR (for Popov). 2. Starshiy referent Pravleniya Vsesoyuznogo obshchestva "Znanieye" (for Kozhokhin). (Building materials)

SARYCHEVA, N.P., kand. tekhn. nauk; CHERKINSKIY, Yu.S., kand.
tekhn. nauk

Use of polymer-cement concrete for floors of railroad buildings.
Transp. stroi. 13 no.5:64-66 My '63. (MIRA 16:7)

(Railroads—Buildings and structures)
(Floors, Concrete)

CHERKINSKIY, Yu.S., kand. tekhn. nauk

Basic principles of the selection of polymers for polymer cement
concrete. Sbor. trud. VNIINSM no.7:85-107 '63.

(MIRA 17:11)

KOSHKIN, Viktor Gavrilovich; CHERKINSKIY, Yuliy Samuilovich;
LARKINA, Vera Ivanovna; ISAKOVICH, Grigoriy Aleksandrovich;
SLIPCHENKO, Galina Fedorovna; BELOVA, Aleksandra Panteleymonovna;
GURVICH, E.A., red.izd-va; SHERSTNEVA, N.V., tekhn. red.

[Synthetic materials for floor coverings in industrial buildings] Sinteticheskie materialy dlia pokrytii polov promyshlennykh zdanii. [By] V.G.Koshkin i dr. Moskva, Gosstroizdat, 1963. 128 p. (MIRA 17:2)

CHERKINSKIY, Yu.S.; LARKINA, V.I.; OSIPOV, G.L.

Making various kinds of floors. Inform.biul.VDNKH no.3:18-20
Mr '64. (MIRA 17:3)

1. Sotrudnik laboratorii polimernykh rastvorov i betonov Vsesoyuznogo nauchno-issledovatel'skogo instituta novykh stroitel'nykh materialov (for Cherkinskiy). 2. Sotrudnik laboratorii polimernykh materialov Vsesoyuznogo nauchno-issledovatel'skogo instituta novykh stroitel'nykh materialov (for Larkina). 3. Rukovoditel' laboratorii stroitel'noy akustiki Nauchno-issledovatel'skogo instituta stroitel'noy fiziki Akademii stroitel'stva i arkhitektury SSSR (for Osipov).

CHERKINSKIY, Yu.S.

Polymer concepts in cement chemistry. Usp. khim. 34 no.6:1071-1085 Je '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov.

CHERKINSKIY, Yu.S., kand. tekhn. nauk; LUGOVSKOY, V.M., inzh.;
MILOVZOROV, A.K., arkhitekt

Polymeric gypsum-cement compositions for the finish of buildings.
Prom. stroi. 43 no.10:30-31 '65. (MIRA 18:11)

KOSHIKIN, V.G.; CHEREPINSKIY, Yu.S.; LARKINA, V.I.; SHCHAVELEVA, N.A.;
SLIPCHENKO, G.F.

Seamless mastic and polymer-cement floors. Prom. stroi. 43
no.11:17-20 '65. (MIRA 18:12)

L 24129-55 EWC(s)-2/EWP(j)/EWT(m) Pc-4/Pw-4 RM
ACCESSION NR: AP5001784

S/0097/64/000/012/0546/0548

AUTHOR: Cherkinskiy, Yu. S. (Candidate of technical sciences)

TITLE: Polymer-cement concretes of cationic chloroprene latex

SOURCE: Beton i zhelezobeton, no. 12, 1964, 546-548

TOPIC TAGS: concrete, construction material, polymer, cationic latex, chloroprene latex / OP 7 surface active substance, Dupont latex No. 950

ABSTRACT: The author discusses the use of latex No. 950 (Dupont Company, U.S.A.) as an additive in concrete. The latex is described as consisting of 50% dry ingredients, having a unit weight of 1.10 g/cm^3 (at 25°C), a pH of 9.3, mean particle size 0.1μ , and surface tension 44 dynes/cm^2 . Experimental tests were conducted using portland cement of the following percentage content: SiO_2 - 23.72; Al_2O_3 - 5.30; Fe_2O_3 - 2.81; CaO - 61.21; MgO - 1.67; SO_3 - 2.70; and 1.90 trace elements. River sand with mean grain diameter 0.26 mm was also used. Nonionogenic surface active substance OP-7, added in 6% proportion to the polymer, was found to delay coagulation for a period of two hours. The kinetics of hardening

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ACCESSION NR: AP5001784

were measured by the method of Academician P. A. Rebinder. Results showed that introducing latex No. 950 into the cement increases the induction period and slows latex-cement hardening. A one percent quantity of calcium chloride added to the mix resulted in faster mix hardening in the first days of cure. The effect of surface-active substances on kinetic structure formation was also studied. Addition of alkamine (0.6%) somewhat slows the processes of structure formation. The effect of several additives upon hardening rate is shown in a plot, and creep settlement rates for several consistencies were plotted. The author suggests the use of polymer concrete from cationic chloroprene latex as surfacing material in construction. Orig. art. has: 4 figures and 4 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

Card 2/2

GEROL'SKAYA, L.S., kand.tekhn.nauk; SARYCHEVA, N.P., kand.tekhn.nauk;
CHERKINSKIY, Yu.S., kand.tekhn.nauk

Depot gate of corrugated fiber glass. Transp. stroi. 16
no.1:27-28 Ja '66. (MIRA 19:1)

CHERKIS, G.

Conveyer installation team works in two stopes. Mast. ugl. 3
no. 10:14 0 '54. (MLRA 7:12)

1. Brigadir perenoschikov konveyyera shakhty No. 6-14 kombinata
Stalinugol'.
(Coal-handling machinery)

SERGEYEV, M.P., prof.; CHERKIS, V.N., inzh.

Degree of loading for S-80 tractors in plowing. Mekh. i elek.sots.
sel'khoz. no.5:11-13 '56. (MIRA 12:4)

1. Chelyabinsky institut mekhanizatsii i elektrifikatsii sel'skogo
khozyaystva.

(Tractors)

CHERNIS, V.M., Cand Tech Sci--(diss) Study of the ^{productivity} ~~production~~ elements of plowing ^{units} ~~aggregates~~ with ~~tractors~~ ^{CHTZ} ~~type~~." Chelyabinsk, 1958. 20 pp with graphs (Min of Agr USSR. Chelyabinsk Inst of Mechanization and Electrification of Agriculture. Chair of ^{Operation} ~~Construction~~ of the Machine-Tractor Fleet), 175 copies (12,48-58,105)

-57-

BRASLAVSKIY, D.I. (Moskva); KISHKIN, S.T. (Moskva); POLYAK, E.V. (Moskva);
KOSHECHINA, I.N. (Moskva); SOLOV'YEVA, G.G. (Moskva); CHERKIS, Yu.Yu.
(Moskva)

Thermomechanical treatment of the martensitic class stainless
steel. Izv. AN SSSR. Met. no.5:143-148 S-O '65.

(MIRA 18:10)

CHERKISOV, L. V. (Minsk)

"The Cauchy-Poisson three-dimensional problem for waves in a viscous fluid"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow. 29 January - 5 February 1964.

POVZNER, Z.B., gornyy inzh.; SERBIN, V.I., gornyy inzh.;
CHERKONOS, A.I., gornyy inzh.; TKACHUK, K.N., gornyy inzh.

Dolomite strip mine in Krivoy Rog Basin. Sbor. nauch. trud.
KGRI no.15:86-89 '63. (MIRA 17:8)

MIKHAYLOV, V.A., kand.tekhn.nauk; CHERKONOS, A.I., gornyy inzh.;
RODIONOV, N.F., gornyy inzh.

Mechanized cleaning of dump truck baskets in mines. Gor.zhur.
no.4:75 Ap '64. (MIRA 17:4)

1. Krivorozhskiy filial Instituta gornogo dela imeni Fedorova,
Krivoy Rog.

VAYMAN, S.Z., gornyy inzh.; MIKHAYLOV, V.A., kand. tekhn. nauk; CHEKONOS,
A.I., gornyy inzh.

New equipment for jet piercing machinery. Gor. zhur. no.6:57-58
Je '64. (MIRA 17:11)

1. Yuzhnyy gorno-azogatitel'nyy kombinat, Krivoy Rog (for Vayman).
2. Krivorozhskiy filial Instituta gornogo dela im. Fedoreva (for Cherkonoe).

CHERKOV, D.A., inzh.

Using mineral wool and mineral-wool products in insulating walls
and roofs. Stroi.prom. 27 no.7:13-15 J1 '49. (MIRA 13:2)

1. Termoprojekt Ministerstva stroitel'stva predpriyatiy tyazhelay
industrii.

(Mineral wool) (Walls) (Roofs)

CHERKOV, D. A.

23149 Primeneniye mineral'noy vaty i izdeliy iz neye v ograzhdayushchikh
konstruktsiyakh zdaniy. stroit. prom-st', 1949, No. 7, c. 13-15.

SD : LETOPIS' NO. 31, 1949

CHERKOV, D. A.

PHASE I Treasure Island Bibliographical Report

AID 235 - I

BOOK

Call No.: TM859.K33

Authors: KAL'YANOV, N. N., CHERKOV, D. A., and LUKASHEV, S. I.

Full Title: MINERAL WOOL PLANTS

Transliterated Title: Zavody mineral'noy vaty

Publishing Date

Originating Agency: None

Publishing House: State Publishing House of Literature on Construction and
Architecture

Date: 1952

No. pp.: 208

No. copies: 3,000

Editorial Staff

Editor: Gervids, I. A., Candidate
of Technical Sciences

Tech. Ed.: None

Ed.-in-Chief: None

Appraiser: None

Text Data

Coverage: The production of mineral wool and mineral wool products is described. Raw materials, equipment, planning and operation of plants for the production of mineral wool are discussed. The final chapter is devoted to the uses of mineral wool products as sound and thermal-insulating materials in construction and industry. Only Russian references are cited.

1/2

Card 2/2

AID 335 - I
Call No.: TS1850.R33

Full Title: MINERAL WOOL PLANTS

Text Data

Coverage(cont.): The book is clearly presented. Contributions of some Soviet scientists to the improvement of equipment of mineral wool plants and to the production processes are mentioned.

Purpose: The book is designed to serve as a handbook for engineering and technical personnel employed in the mineral wool industry and in construction.

Facilities: Names of some Russian scientists are mentioned.

No. Russian and Slavic References: 11(1944-51)

Available: Library of Congress

CHERKOV, D.A., inzhener.

Expected length of service of slag wool and products made from it.
Bul.stroi.tekh. 10 no.3:30 F '53. (MLRA 6:12)

1. Termoprojekt.

(Mineral wool)

CHERKOV, D.A., inzhener.

Soundproof lining of KCh mineral wool sheets. Stroi.prom. 31 no.11:
44-45 N '53. (MLRA 6:12)

(Soundproofing) (Mineral wool)

CHERKOV, D. A.

CHERKOV, D. A.: "On the effect of certain technological factors on the properties of mineral-fiber tiles containing asbestos (KCh)". Moscow, 1955. Academy of Architecture USSR. Sci Res Inst of Structural Engineering. (Dissertations for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

CHESTNUT, D.A.

Method
Spray

Method of determining the viscosity of blast-furnace slags and minerals. D. A. Chestnut, *Zavodskaya Lab.*, 21 [12] 1461-63 (1955); abstracted in *J. Iron Steel Inst. (London)*, 184 [4] 469 (1956).—A method recently developed for glass and adapted to viscosity determinations of blast-furnace slags is described. The results are obtained in terms of the viscosity of a standard material. The powdered slag (1.8 to 1.0 g.) is moistened and pressed at 50 kg/cm² into cylinder 10 mm in diameter and height. The cylinder and an exactly similar one of the standard material are placed vertically on two horizontal platinum or low plates by refractory plates in a furnace. After soaking at the required temperature for 30 to 60 min., the furnace is switched off. The increases in areas of contact of the two materials with the plates are determined, and the viscosities are calculated therefrom by a simple equation.

A. R. E.

CHERKOV, D. A.

AID P - 2408

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 7/33

Author : Cherkov, D. A., Eng.

Title : ~~Thermal coefficient and conductivity of insulating materials~~
Thermal coefficient and conductivity of insulating materials

Periodical : Elek sta 5, 24-25, My 1955

Abstract : The use of heat-insulating materials at the construction of power plants is discussed. A table lists some of these materials and gives their insulating properties. The author suggests that the maximum temperature of insulating materials be taken into consideration when computing their classification.

Institution: None

Submitted : No date

NIKOL'SKIY, V.N., kand. tekhn. nauk; CHERKOV, D.A., inzh.

Using mineral wool products in making soundproofing materials.
Biul. stroi. tekhn. 12 no.1:17-18 Ja '55. (MIRA 11:12)

1.Nauchno-issledovatel'skiy institut Stroytekhniki Akademii .
arkhitektury SSSR (for Nikol'skiy). 2.Vsesoyuznaya gosudarstvennaya
kontora po proyektirovaniyu termoizolyatsionnoy promyshlennosti (for
Cherkov).

(Acoustical materials) (Mineral wool)

CHERKOV, D., kand.tekhn.nauk

Unit for making heat insulating shells. Stroitel' no.9:14
'58. (MIRA 13:3)

(Insulation (Heat))

CHERKOV, D.A., kand. tekhn. nauk.

Sound absorbtion by perforated facing and insulating materials.
Bul. stroi. tekhn. 15 no.4:21-24 Ap '58. (MIRA 11:5)

1. Teploproyekt. (Acoustical materials)

CHEBKOV. D.A., kand.tekhn.nauk

New works on the technology of producing mineral-wool materials
for industrial building. Stroil. mat. 6 no.10:18-21 0 '60.

(MIRA 13:10)

(Mineral wool)

CHERKOV, D.A., kand.tekhn.nauk

Manufacturing sectional mineral wool cylinders by the
method of rolling. Mont.i spets.rab.v stroi. 22
no.9:12-16 S '60. (MIRA 13:8)

1. Institut Teploproyekt.
(Mineral wool)

FROM, A.A., kand.med.nauk., ~~CHERKOV~~, I.I., kand.med.nauk

Synthetic blood substitutes. Med.sestra 17 no.11:19-23 (MIRA 11:11)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi, Moskva.
(BLOOD PLASMA SUBSTITUTES)

CHERKOV, I.L.; BOGOYAVLENSKAYA, M.P.; TSESSARSKAYA, T.P.

Activity of the properdin system in chronic irradiation. Med.rad.
5 no.7:89-90 '60. (MIRA 13:12)
(RADIATION SICKNESS) (PROPERDIN)

RIKIN, Samuil Simonovich; OSTROMUKHOV, Ya.G., inzh., retsenzents; SLIV, E.I., kand.tekhn. nauk, retsenzents; CHERKOV, R.I., kand. fiz.-mat. nauk, nauchnyy red.; KLIMINA, Ye.V., red. izd-va; FRUMKIN, P.S., tekhn. red.

[Theory of gyroscopic devices] Teoriia giroskopicheskikh ustroistv. Leningrad, Sudpromgiz. Pt.1. 1962. 506 p. (MIRA 15:7)
(Gyroscopic instruments)

CHERKOV, V. M.

20532 CHERKOV, V. M. Nablyudeniya solnechnykh pyaten bez teleskopa. Byulleten' vsesoyuz. Astron.-geodez. o-va, No. 5, 1949, s. 14

SO: LETOPIS ZHURNAL S TATEY - Vol. 28, Moskva, 1949

Cherkov, V. Ya.
BABADZHANYAN, M.G., kand.biol.nauk; KOSTINA, Ye.I., starshiy nauchnyy sotrud-
nik; CHERKOV, V.Ya., inzh.

Study of working conditions and physiological changes in women
occupied in packing ballast under railroad ties [with summary in
English]. Gig. i san. 22 no.11:21-23 N '57. (MIRA 11:1)

1. Iz TSentral'noy nauchno-issledovatel'skoy laboratorii gigiyeny
i epidemiologii Ministerstva putey soobshcheniya SSSR.
(INDUSTRIAL HYGIENE
health hazards to women in driving of sleepers (Rus))

CHE RKOV, Ya. B.

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of
Natural Gases and Petroleum. Motor Fuels. Lubricants,
I-13

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62579

Author: Cherkov, Ya. B., Zrelov, V. N.

Institution: None

Title: Effect of Tar Compounds on the Rate of Autoxidation of Cracking
Kerosenes

Original

Periodical: Zh. prikl. khimii, 1955, 28, No 12, 1332-1338

Abstract: A study of the effects on autoxidation of cracking kerosenes of
products that accumulate in the fuel during the process of autoxi-
dation. For this purpose from cracking kerosenes produced from
petroleum of first and second Baku, were isolated: tars of acidic
nature (TAN), tars of neutral nature (TNN), compounds of phenolic
type (PC), acids and hydroxy acids (HA). The isolated and charac-
terized compounds were added to the initial cracking kerosenes.

Card 1/2

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of
Natural Gases and Petroleum. Motor Fuels. Lubricants,
I-13

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62579

Abstract: Effects of additions to cracking kerosenes on the tendency of the latter to undergo oxidation were evaluated on the basis of oxygen absorption, changes in acid number and actual tars, on oxidation of the fuel for 2.5 hours with air oxygen at 125°. It is shown that TAN and HA are strong initiators of autoxidation of the fuel, and TNN in amounts found in the fuels have an inhibiting effect on the reaction of autoxidation. The inhibiting effect being increased with increase of their amount in the fuel. PC present in cracking kerosenes of first and second Baku have a slight inhibiting effect on autoxidation of fuels. Described is the procedure of isolation of oxidation products from cracking kerosenes.

Card 2/2

~~CHERKOVA E. I.~~
CHERKOVA E. I. Changes in the vitality of the tubercle bacillus under the influence of streptomycin, Problemi Tuberkuleza, Moscow 1949, 6 (50-53) Tables 4

Of 60 mice infected with human tuberculosis after a four-week treatment with 3,000 U. of streptomycin daily, bacilli could not be cultured in the following percentages: lungs 65, spleen 68, liver 46, kidney 48. Controls showed from 3.4-6.8% negative cultures in the same organs. Histological investigations showed no clear pathological differences in the two groups. In cultures streptomycin was bacteriostatic in and above concentrations of 0.3 U./ml. and bactericidal in a concentration of 250 U./ml. (Cotton's culture medium).

Van der Molen - Terwolde (XV, 4)

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

CHERKOVA, Ye..I. and GZOVSKIY, M.V.

"Modeling of the Waviness of the Strike of Major Tectonic Fractures", Izv. AN SSSR,
ser. geofiz., No 6, 1953.

CHERKOVETS, V.N.; YAGODKIN, V.N., red./; CHIKNAVEROVA, A.A., red.izd-va;
GOROKHOVA, S.S., tekhn.red.

[Political economy; materials for a lecture on the course of
political economy] Predmet politicheskoi ekonomii; materialy
k leksii po kursu politicheskoi ekonomii. Moskva, Gos.izd-vo
"Sovetskaya nauka," 1959. 63 p. (MIRA 12:8)
(Economics--Study and teaching)

TSAGOLOV, N.A., prof., red.; KHESSIN, N.V., dotsent, red.. Prinimali
uchastie: SOLODKOV, M.V., dotsent; CHERKOVETS, V.H., kand.ekon.
nauk; VOLKOV, P.M., kand.ekon.nauk; VOZNESENSKIY, L.A., nauchnyy
sotrudnik. GORDEYEVA, L.N., red.; YERMAKOV, M.S., tekhn.red.

[Problems of political economy] Voprosy politicheskoi ekonomii.
Pod red. N.A.TSagolova i N.V.Khessina. Moskva, 1960. 278 p.
(MIRA 13:4)

1. Moscow. Universitet.
(Economics)

CHERKOVETS, Viktor Nikitich; KANTER, A.I., red.; NAZAROVA, A.S., tekhn.
red.

[Main features of capitalist production] Osnovnye cherty kapitali-
sticheskogo proizvodstva. Moskva, Izd-vo "Znanie," Vses. ob-va po
raspr. polit. i nauchn. znaniy, 1961. 47 p. (Narodnyi universitet
kul'tury: Fakul'tet obshchestvenno-politicheskii, no.6)

(Capitalism)

(MIRA 14:9)

CHERKOVETS, Viktor Nikitich; DEMENT'YEV, V.A., red.; SLONOVA,
I.D., mlad. red.

[Development of socialist production according to plan]
Planomernost' sotsialisticheskogo proizvodstva. Moskva,
Ekonomika, 1965. 211 p. (MIRA 18:8)

CHERKOVICH, G.M. (Sukhumi)

Micronecrosis in the heart of a monkey resulting from experimental neurosis. Pat.fiziol. i eksp.terap, 3 no.6:22-26 N-D '59.

(MIRA 13:3)

1. Iz laboratorii fiziologii i patologii vysshey nervnoy deyatel'nosti (zaveduyushchiy - kand.med.nauk D.I. Miminoshvili [deceased]) Instituta eksperimental'noy patologii i terapii AMN SSSR.

(MYOCARDIAL INFARCT exper.)

(NEUROSES exper.)

CHERKOVICH, G.M.

~~Experience~~ with the induction of neuroses in monkeys by means of experimental change in the nyctohemeral rhythm. Biul. eksp. biol. i med. 47 no.8:21-24 Ag '59. (MIRA 12:11)

1. Iz laboratorii fiziologii i patologii vysshey nervnoy deyatel'nosti (zav. - kand.med.nauk D.I. Miminoshvili [deceased]) Instituta eksperimental'noy patologii i terapii (dir. - kand.biolog.nauk I.A. Utkin) AMN SSSR, Sukhumi. Predstavlena akademikom K.M. Bykovym [deceased].

(NEUROSES exper.)
(PERIODICITY)

~~CHERKOVICH, G.M.~~

Age-connected variations in the frequency of the heart beat in normal monkeys. and in bradycardia with sinus arrhythmia induced by neurosis. Biul. eksp. i biol. med. 50 no. 8:46-49 Ag '60.

(MIRA 13:10)

1. Iz laboratorii fiziologii i patologii vysshey nervnoy deyatel'nosti (zav. - prof. N.I. Lagutina) Instituta eksperimental'noy patologii i terapii (dir. - kandidat biologicheskikh nauk I.A. Utkin) AMN SSSR, Sukhumi. Predstavlena deystv. chlenom AMN SSSR V.N. Chernigovskim.

(AGING) (ARRHYTHMIA)

LAGUTINA, N.I., prof., red.; LAPIN, B.A., doktor med. nauk, red.;
CHERKOVICH, G.M., kand. med. nauk, red.; SOLOPAYEV, B.P.,
~~kand. med. nauk, red.~~; DIKOVENKO, Ye.A., kand. med. nauk,
red.; FUFACHEVA, A.A., mladshiy nauchnyy sotr., red.;
AVAKOV, P.V., tekhn. red.

[Problems in the physiology and pathology of monkeys] Voprosy
fiziologii i patologii obez'ian; sbornik rabot. Sukhumi,
1961. 339 p.
(MIRA 15:11)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut ekspe-
rimental'noi patologii i terapii, Sukhum.
(MONKEYS--PHYSIOLOGY)

URMANCHEYEVA, T.G.; CHERKOVICH, G.M. (Sukhumi)

Electrical activity of the cerebral cortex of monkeys during ontogenesis. Biul. eksp. biol i med. 54 no.12:3-7 D'62
(MIRA 16:6)

1. Iz laboratorii fiziologii i patologii vysshey nervnoy deyatel'nosti (zav. - prof. N.I.Lagutina) Instituta eksperimental'noy patologii i terapii AMN SSSR, Sukhumi. Predstavlena deystvitel'nym chlenom AMN SSSR A.V.Lebedinskim.
(ELECTROENCEPHALOGRAPHY) (AGING)

CHERKOVICH, G.M.

Comparative evaluation of models of hypertension and coronary
insufficiency in various laboratory animals. Vest. AMN SSSR
20 no. 11: '65 (MIRA 19:1)

1. Institut eksperimental'noy patologii i terapii AMN SSSR,
Sukhumi.

URMANCHEYEVA, T.G.; CHERKOVICH, G.M.

Electric activity of the cerebral cortex in monkeys of various ages during rhythmical light flashes. Fiziol.zhur. 51 no.4:431-440 Ap '65. (MIRA 18:6)

1. laboratoriya fiziologii i patologii vysshey nervnoy deyatel'.
nositel' Instituta eksperimental'noy patologii i terapii AMN SSSR,
Sukhumi.

URMANCHEYEVA, T.G.; CHERKOVICH, G.M.

Potentials and desynchronization reaction received in response to light stimuli in the ontogeny process in lower monkeys. Biol. eksp. biol. i med. 59 no.4:3-7 Ap '65. (MIRA 18:5)

1. Laboratoriya fiziologii i patologii vysshey nervnoy deyatel'nosti (zav. - prof. N.I. Iagutina) Instituta eksperimental'noy patologii i terapii (dir. - prof. B.A. Iapin) AMN SSSR, Sukhumi.

L 29371-66

ACC NR: AP6019798

SOURCE CODE: UR/0239/65/051/004/0431/0440

AUTHOR: Urmanchayeva, T. G.; Cherkovich, G. M.

ORG: Laboratory of the Physiology and Pathology of Higher Nervous Activity, Institute of Experimental Pathology and Therapy, AMN SSSR, Sukhumi (Laboratoriya fiziologii i patologii vysshey nervnoy deyatel'nosti Instituta eksperimental'noy patologii i terapii AMN SSSR)

TITLE: Electrical activity of the cerebral cortex in monkeys of various ages in response to rhythmical light flashes

SOURCE: Fiziologicheskij zhurnal SSSR, v. 51, no. 4, 1965, 431-440

TOPIC TAGS: cerebral cortex, electrophysiology, experiment animal, EEG

ABSTRACT: The dynamics of the response to rhythmic light flashes were studied on Hamadryas baboons, Rhesus macaques, and green guenons from the earliest days of life to old age on the basis of EEG measurements carried out on the occipital part of the cerebral cortex. In the first days of life the macaques and baboons showed a clear response to light flash frequencies of 5-10 per sec and a weaker response to frequencies of 15 per second, while guenons responded to a wider range of frequencies, i.e., 5-20 per second. From the 2d week of life, animals of all three species responded to frequencies of 5-24 per second with the highest amplitude and

Card 1/2

UDC: 612.825.1+591.185.6

L 29371-66

ACC NR: AP6019798

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greatest regularity of oscillations in the rhythm imposed on the EEG shown in the range of 5-10 light flashes per second. With increasing age (2 wks to 6-7 months) all indices characterizing the response to rhythmic light flashes increased in magnitude. At ages of 3-4 to 8-10 months, an influence of the background electric activity on the reaction to light flashes was observed. Beginning with the age of 6-8 months, the amplitude of the imposed rhythms decreased. The imposed rhythms in the EEG became stabilized towards the age of 2 years. At this age, there was a clear response to light flash frequencies in the range of 5-24. This corresponded approximately to the range of response in human adults (6-20 flashes per second). At all ages, guenons were more sensitive than baboons and macaques as far as their response to rhythmic light flashes was concerned. Experiments on macaques and baboons indicated that the response to light flashes decreased considerably at the age of 15-20 years; it disappeared entirely at an advanced old age (towards 27 years). The results of the experiments did not indicate that the optimum response, in accordance with a widespread impression to that effect, takes place when the frequency of light flashes coincides with the prevalent frequency of EEG oscillations. Orig. art. has: 6 figures. [JPRS]

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Card 2/2 . NC

CHERKOVICH, Ye.M.

SLONIM, A.D., zaveduyushchiy; CHERKOVICH, Ye.M. § 14.

Effect of sleep induced by medicaments upon the 24 hour cycle of physiological functions in monkeys. Trudy Inst.fiziol. 1:222-227 '52. (MLBA 6:8)

1. Laboratoriya ekologicheskoy fiziologii (for Slonim). 2. Laboratoriya
Sukhumskey mediko-biologicheskoy stantsii Akademii meditsinskikh nauk SSSR
(for Cherkovich). (Sleep)

CHERNYSKAYA, A.

USSR/Chemical Technology - Chemical Products and
Their Applications -- Pesticides.

I-7

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 8837

Author : Cherkovskaya, A., and Kuz'mina, N.

Inst :

Title : Methallyl Chloride as a Fumigant for the
Disinfestation of Seeds.

Orig Pub : Mukomol.-elevat. prom-st, 1956, No 7, 9-10.

Abstract : The suitability of methallyl chloride (I)
for the fumigation of grains has been in-
vestigated. An application dose of 15 gms/m³
is required for the complete extermination
of the barn weevil (BW) for a contact time
(CT) of 24 hrs in an empty hermetically
sealed glass vessel; the corresponding dose
for a CT of 48 hours is 8 gms/m³. The com-
plete extermination of the larvae and pupae

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USSR/Chemical Technology - Chemical Products and
Their Applications -- Pesticides.

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Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 8837

of the BW within 24 hours is achieved with an application dose (AD) of 11 gms/m³ of I; the corresponding dose for a CT of 48 hours is 8 gms/m³. 100% effectiveness against the BW in the egg stage is achieved with AD of 9 gms/m³ and 5 gms/m³ of I for CT of 24 and 48 hours, respectively. A 100% kill rate for the BW in grains at a CT of 48 hours is achieved with an AD of 25 gms/m³ I; the dose for a CT of 72 hours is 15 gms/m³. Complete effectiveness is achieved against the butterfly of the meal worm for a CT of 24 hours with an AD of 11 gms/m³ I; the AD for a CT of 48 hours is 6 gms/m³ I; the corresponding doses for the rice weevil

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USSR/Chemical Technology - Chemical Products and
Their Applications -- Pesticides.

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Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 8837

are 7 gms/m³ and 3 gms/m³. I has maximum
toxic action at 20°. Treatment with I does
not impair the seed properties of smooth and
scaly grains.

*1. Isentralnaya epystno-proizvodstvennaya laboratoriya po boi'ke s
ambarnymi vreditel'nyami*

Card 3/3

CHERKOV'S'KA, Ye.A. [Cherkov's'ka, IE.A.], zvenevaya

Twenty years on a tractor. Mekh. sil'. hosp. 14 no.4:3 Ap
'63. (MIRA 16:10)

1. Kolkhoz "Bat'kivshchina", Tokmatskogo rayona, Zaporozhskoy obl.